

# Converting Colors

YIQ(83.0910, 16.8220, 25.5420)

Have a look what the booklet for  
YIQ(83.0910, 16.8220, 25.5420)  
contains.

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# Color

**YIQ(83.0910, 16.8220,  
25.5420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	733E6C
RGB	115, 62, 108
RGB Percent	45%, 24%, 42%
CMY	0.5489, 0.7569, 0.5764
CMYK	0.00, 0.46, 0.06, 0.55
HSL	308°, 30%, 35%
HSV	308°, 46%, 45%
XYZ	11.5040, 8.1732, 15.1608
YIQ	83.0910, 16.8220, 25.5420

# Conversions

## Conversions Part 2

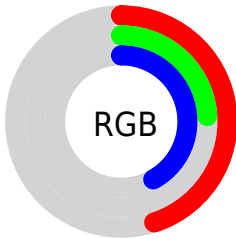
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 62, 108
Decimal	7552620
CIE <sub>Lab</sub>	34.34, 30.34, -16.87
CIE <sub>LCh</sub>	34, 34.714, 330.930
Yxy	8.1732, 0.3302, 0.2346
Android (android.graphics.Color)	4285742700 (0xFF733E6C)
YUV	83.0910, 12.2801, 27.9842
Hunter-Lab	28.5889, 21.7971, -11.4296

# Details

The YIQ color **83.0910, 16.8220, 25.5420** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **93.9090, -16.8220, -25.5420**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.6290, 18.2430, 27.3230**, and **35.0800, 15.3550, 24.5950** is the 20% darker color. If you saturate the color by 10%, you get **75.8190, 20.7640, 31.1960**, and if you desaturate by 10%, it is **89.7760, 13.1550, 20.4110**.

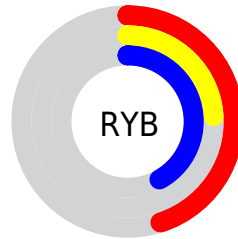
# Distribution



Red (45%)

Green (24%)

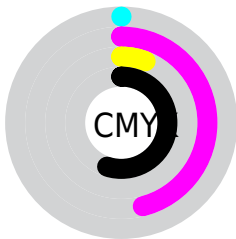
Blue (42%)



Red (45%)

Yellow (24%)

Blue (42%)

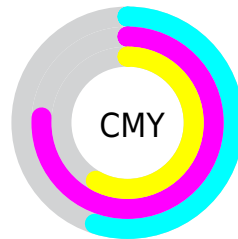


Cyan (0%)

Magenta (46%)

Yellow (6%)

Black (55%)



Cyan (55%)

Magenta (76%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.0910, 16.8220, 25.5420 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 83.0910, 16.8220, 25.5420 by changing the saturation by 10% instead.



83.0910, 16.8220,  
25.5420

83.0910, 16.8220,  
25.5420

255.0000, -0.0000,  
-0.0000

58.7920, 16.2260,  
25.3300

133.6290, 18.2430,  
27.3230

35.0800, 15.3550,  
24.5950

160.3410, 19.1140,  
28.0580

17.0040, 12.5130,  
21.0330

187.6400, 19.7100,  
28.2700

3.9170, -0.9640,  
6.4600

215.4660, 20.2600,  
29.3160

0.0000, 0.0000,  
0.0000

233.8680, 9.9000,  
18.8280

250.8910, 1.9250,

3.6610

■ 83.0910, 16.8220,  
25.5420

■ 83.0910, 16.8220,  
25.5420

■ 75.8190, 20.7640,  
31.1960

■ 89.7760, 13.1550,  
20.4110

■ 69.2480, 24.1100,  
36.6380

■ 96.9340, 9.5340,  
14.4460

■ 61.9760, 28.0520,  
42.2920

■ 103.6190, 5.8670,  
9.3150

■ 55.4050, 31.3980,  
47.7340

■ 110.7770, 2.2460,  
3.3500

■ 48.1330, 35.3400,  
53.3880

■ 118.0490, -1.6960,  
-2.3040

■ 45.7850, 36.4400,  
55.4800

■ 124.6200, -5.0420,  
-7.7460

■ 131.8920, -8.9840,  
-13.4000

■ 138.4630,  
-12.3300, -18.8420

■ 145.7350,  
-16.2720, -24.4960

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2600, -11.6950, 19.2250



83.0910, 16.8220, 25.5420



80.9760, 36.0790, 23.4630

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0910, 16.8220, 25.5420



77.8730, 27.5580, -14.8580



67.4900, -60.5180, -15.5740

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.0910, 16.8220, 25.5420



93.9090, -16.8220, -25.5420

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4120, -51.8510, -23.9710



83.0910, 16.8220, 25.5420



74.5220, 6.3770, -21.9670

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0910, 16.8220, 25.5420



79.1340, 40.4850, -1.3310



68.4180, -25.6250, -25.6970



67.5360, -66.1590, -6.9510



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0910, 16.8220, 25.5420



79.8100, 42.1780, 17.5540



68.4180, -25.6250, -25.6970



66.5780, -57.9500, -18.0620

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.0910, 16.8220, 25.5420



137.4450, 6.4170, 10.3610



69.8360, -13.4370, 17.7550



68.5540, 4.4920, 6.7000



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0910, 16.8220, 25.5420



100.6120, 26.0810, 39.4650



80.1270, 25.1680, 17.4560



55.3640, 1.9710, 2.8270



48.5620, 38.6860, 58.8300



99.4880, 79.3430, 120.4870



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.0910, 16.8220, 25.5420



100.6120, 26.0810, 39.4650



96.8730, -25.1680, -17.4560



55.3640, 1.9710, 2.8270



48.5620, 38.6860, 58.8300

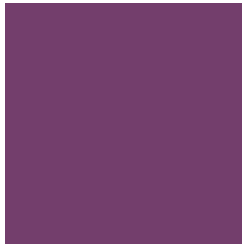


99.4880, 79.3430, 120.4870



# Previews

## White Background



This preview shows how the YIQ color 83.0910, 16.8220, 25.5420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

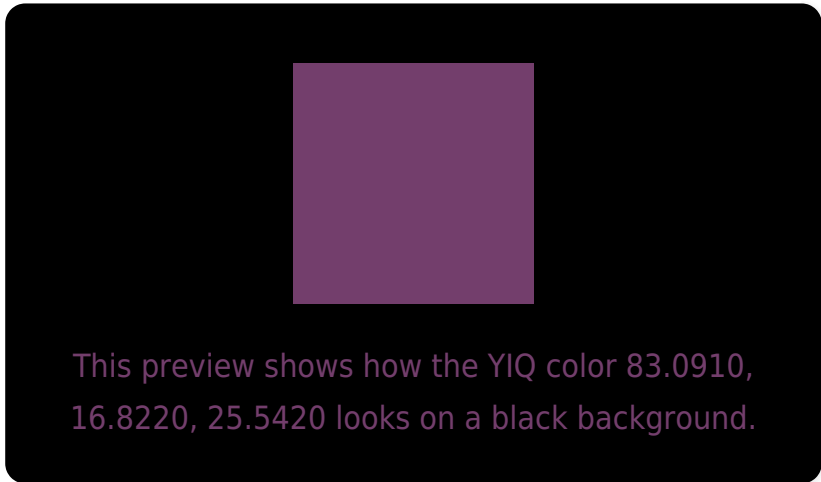
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

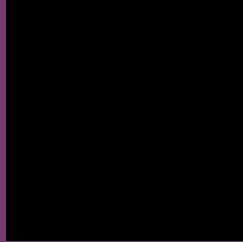
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 83.0910, 16.8220, 25.5420

## Background



This preview shows how black text looks on a background with the YIQ color 83.0910, 16.8220, 25.5420.



This preview shows how white text looks on a background with the YIQ color 83.0910, 16.8220,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.0910, 16.8220, 25.5420

### Protanopia

80.9010, -21.2300, 10.3060

### Deuteranopia

81.9530, -9.8130, 7.1390



## Tritanopia

82.2420, 23.1060, 10.7700

# Trichromacy



## Original Color

83.0910, 16.8220, 25.5420

## Protanomaly

81.3050, -7.5680, 16.0160

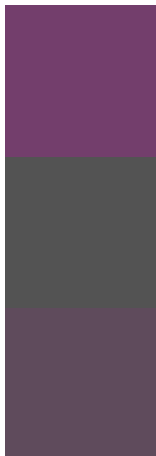
## Deuteranomaly

82.1440, 0.1350, 14.0790

## Tritanomaly

82.1480, 20.6750, 16.2830

# Monochromacy



## Original Color

83.0910, 16.8220, 25.5420

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

82.9180, 6.4630, 9.5270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.0910, 16.8220, 25.5420 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 62, 108)` looks like.

```
.text, #text, p{  
    color:rgb(115, 62, 108)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 62, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 62, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 83.0910, 16.8220, 25.5420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 62, 108) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(115, 62, 108) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(115, 62, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 62, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 62, 108);  
box-shadow:4px 4px 4px 4px rgb(115, 62,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.0910, 16.8220, 25.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 62, 108) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115, 62,  
108) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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